

Product datasheet

Human TEM8 peptide ab41850

Overview

**Product name** Human TEM8 peptide

Description

**Nature** Synthetic

Amino Acid Sequence

**Species** Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab41850** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Blocking - Blocking peptide for Anti-TEM8 antibody ([ab21269](#))

**Form** Liquid

Preparation and Storage

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Preservative: 0.02% Sodium Azide

Constituents: 0.1% BSA, PBS, pH 7.2

General Info

**Function** Plays a role in cell attachment and migration. Interacts with extracellular matrix proteins and with the actin cytoskeleton. Mediates adhesion of cells to type 1 collagen and gelatin, reorganization of the actin cytoskeleton and promotes cell spreading. Plays a role in the angiogenic response of cultured umbilical vein endothelial cells.

**Tissue specificity** Detected in umbilical vein endothelial cells (at protein level). Highly expressed in tumor endothelial cells.

**Involvement in disease** Defects in ANTXR1 are associated with susceptibility to hemangioma capillary infantile (HCI) [MIM:602089]. HCI are benign, highly proliferative lesions involving aberrant localized growth of capillary endothelium. They are the most common tumor of infancy, occurring in up to 10% of all

births. Hemangiomas tend to appear shortly after birth and show rapid neonatal growth for up to 12 months characterized by endothelial hypercellularity and increased numbers of mast cells. This phase is followed by slow involution at a rate of about 10% per year and replacement by fibrofatty stroma.

**Sequence similarities**

Belongs to the ATR family.  
Contains 1 VWFA domain.

**Domain**

Binding to PA occurs through the VWA domain.

**Cellular localization**

Cell membrane. Cell projection > lamellipodium membrane. Cell projection > filopodium membrane. At the membrane of lamellipodia and at the tip of actin-enriched filopodia.  
Colocalizes with actin at the base of lamellipodia.

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